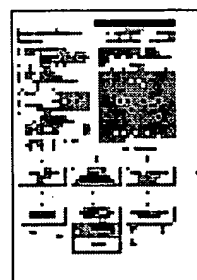


**DELPHION****RESEARCH****PRODUCTS****INSIDE DELPHION**[Log Out](#) [Work Files](#) [Saved Searches](#)[My Account](#)Search: [Quick/Number](#) [Boolean](#) [Advanced](#) [Derwent](#)[Help](#)**The Delphion Integrated View**Get Now: ☒ [PDF](#) | [More choices...](#)Tools: Add to Work File: [Create new Work File](#)[Add](#)View: [INPADOC](#) | Jump to: [Top](#) Go to: [Derwent](#)[Email this to a friend](#)Title: **JP2003310293A2: METHOD FOR PRODUCING NUCLEOSIDE COMPOUND**Derwent Title: Producing cytidine nucleoside derivatives useful as synthetic raw materials in pharmaceuticals, by reaction of cytosine derivatives and pentose-1-phosphoric acid derivatives in the presence of nucleoside phosphorylase  
[\[Derwent Record\]](#)Country: **JP Japan**Kind: **A2 Document Laid open to Public inspection**Inventor: **NAGAHARA KIYOTERU;  
ISHIBASHI DAIKI;  
FUKUIRI YASUSHI;  
MATSUBA YASUKO;**Assignee: **MITSUI CHEMICALS INC**  
[News, Profiles, Stocks and More about this company](#)Published / Filed: **2003-11-05 / 2002-04-26**Application Number: **JP2002000125145**IPC Code: **C12P 19/40; C07H 19/073;**Priority Number: **2002-04-26 JP2002000125145**Abstract: **PROBLEM TO BE SOLVED:** To provide a method for producing a cytidine nucleoside derivative from a cytosine derivative and a pentose-1-phosphoric acid derivative or its salt, by using nucleoside phosphorylase, or a cell body, enzyme, culture, or the like, having this enzyme activity, as a catalyst.**SOLUTION:** This method for producing the cytidine nucleoside derivative comprises adding an organic solvent having a solubility of  $\leq 2.5$  wt.% at 20°C to the reaction liquid and conducting the reaction, so that decomposition activity of a substrate of enzyme reaction or the reaction product is specifically deactivated. Thus, the cytidine nucleoside derivative of high quality is produced in a high yield. Further, by-products are scarcely formed, when the cytidine nucleoside derivative is produced.

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Family: **None**Other Abstract Info: **DERABS C2004-038579**[View Image](#)

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